

Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently amended) An $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt[s] of omeprazole, ~~[and of esomeprazole,]~~ wherein:

R_1 is a linear ~~[,]~~ **or** branched $\text{C}_1\text{-C}_{12}$ -alkyl group, or a cyclic $\text{C}_3\text{-C}_{12}$ -alkyl **group, [;]**

wherein the linear or branched $\text{C}_1\text{-C}_{12}$ alkyl group ~~[may be]~~ **is optionally** substituted or interrupted with a **substituent selected from the group consisting of a** cyclic $\text{C}_3\text{-C}_6$ -alkyl **group, [or] a cyclic $\text{C}_3\text{-C}_6$ -alkylene group, [or with] a phenyl group, and a [or] phenylene group, [;]** and wherein the cyclic $\text{C}_3\text{-C}_6$ -alkyl **group, [or] the cyclic $\text{C}_3\text{-C}_6$ -alkylene group, [or]** the phenyl **group,** or **the** phenylene group is **optionally** further substituted by 0, 1, 2, **or** 3 methyl groups; and

R_2 and R_3 are hydrogen.

2. (Currently amended) The $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt[s] of omeprazole ~~[and of esomeprazole]~~ according to claim 1, wherein ~~[the]~~ R_1 is ~~[selected from]~~ **a** linear ~~[,]~~ **or** branched $\text{C}_1\text{-C}_6$ **alkyl group,** or **a** cyclic ~~[$\text{C}_4\text{-C}_6$]~~ $\text{C}_3\text{-C}_6$ -alkyl group, wherein the linear or branched $\text{C}_1\text{-C}_6$ -alkyl group ~~[may be]~~ **is optionally** substituted or interrupted with a **substituent selected from the group consisting of a** cyclic $\text{C}_3\text{-C}_5$ -alkyl **group, [or] a cyclic $\text{C}_3\text{-C}_5$ -alkylene group, [or with] a phenyl group,** or **a** phenylene group, ~~[;]~~ and wherein the cyclic $\text{C}_3\text{-C}_5$ -alkyl **group, [or] the cyclic $\text{C}_3\text{-C}_5$ -alkylene group, [or]** the phenyl **group,** or **the** phenylene group is **optionally** further substituted by 0, 1, 2, **or** 3 methyl groups.

3. (Currently amended) The $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt[s] of omeprazole ~~[and of esomeprazole according to any of claims 1 or 2]~~ **according to claim 1,** wherein ~~[the]~~ R_1 is ~~[selected from]~~ **a** linear, branched, or cyclic C_4 -alkyl group, wherein the linear or branched C_4 -alkyl group ~~[may be]~~ **is**

optionally substituted or interrupted with a cyclic C₃-alkyl group or a cyclic C₃-alkylene group,
[;] and wherein the cyclic C₃-alkyl group or the cyclic C₃-alkylene group is further substituted
by 0, 1, 2, or 3 methyl groups.

4. (Currently amended) The $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt[s] of omeprazole [~~and of esomeprazole according to any of claims 1 or 3~~] according to claim 1, wherein [$\text{NHR}_1\text{R}_2\text{R}_3^+$] the salt has a pKa value equal to or greater than about [above] 10.

5. (Currently amended) The $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt[s] of omeprazole [~~and of esomeprazole according to any of claims 1 or 4~~] according to claim 1, wherein [$\text{NHR}_1\text{R}_2\text{R}_3^+$] the salt has a pKa value equal to or greater than about [above] 10.5.

6. (Canceled)

7. (Canceled).

8. (Currently amended) The $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt[s] of omeprazole according to [~~claim 6~~
~~characterized in that it~~] claim 1, wherein the salt is the [~~tert-butylammonium salt~~] tert-
butylammonium salt of omeprazole.

9. (Canceled)

10. (Currently amended) The $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt[s] of omeprazole according to [~~any of the~~
~~claims 1 to 9 characterized in that the compound~~] claim 1, wherein the salt is crystalline.

11. (Currently amended) A process for preparation of an $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt of omeprazole [~~and~~
~~of esomeprazole,~~] according to any one of claims 1-5, 8, or 10, [~~1 to 10,~~] which comprises the
[following] steps of:

- a) dissolving omeprazole [~~or esomeprazole~~] in an organic solvent;

- b) adding an $\text{NR}_1\text{R}_2\text{R}_3$ [-] compound and precipitating the desired salt; and
- c) isolating and drying [~~of~~] the obtained salt of omeprazole [~~or esomeprazole~~].

12. (Currently amended) The process according to claim 11, wherein the organic solvent is acetonitrile or *tert*-butyl methyl ether.

13. (Canceled)

14. (Canceled)

15. (Currently amended) A pharmaceutical composition comprising the $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt of omeprazole [~~or esomeprazole~~] according to any one of claims 1-5, 8, or 10 [~~1 to 10~~] as active ingredient[s] in association with pharmaceutically acceptable excipients and optionally [~~other~~] one or more additional therapeutic ingredients.

16. (Canceled)

17. (Currently amended) A method for the treatment of a gastric acid related condition [~~which method comprised~~] comprising administering to a [~~subject~~] patient suffering from [~~said~~] the condition a therapeutically effective amount of the $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt [~~of omeprazole or esomeprazole~~] according to any one of claims 1-5, 8, or 10 [~~1 to 10~~].

18. (New) An $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt of esomeprazole, wherein:

R_1 is a linear or branched C_1 - C_{12} -alkyl group, or a cyclic C_3 - C_{12} -alkyl group, wherein the linear or branched C_1 - C_{12} alkyl group is optionally substituted or interrupted with a substituent selected from the group consisting of a cyclic C_3 - C_6 -alkyl group, a cyclic C_3 - C_6 -alkylene group, a phenyl group, and a phenylene group, and wherein the cyclic C_3 - C_6 -alkyl group, the cyclic C_3 - C_6 -alkylene group, the phenyl group, or the phenylene group is optionally

further substituted by 0, 1, 2, or 3 methyl groups; and

R_2 and R_3 are hydrogen.

19. (New) The $NHR_1R_2R_3^+$ salt of esomeprazole according to claim 18, wherein R_1 is a linear or branched C_1 – C_6 -alkyl group or a cyclic C_3 – C_6 -alkyl group, wherein the linear or branched C_1 – C_6 alkyl group is optionally substituted or interrupted with a substituent selected from the group consisting of a cyclic C_3 - C_5 -alkyl group, a cyclic C_3 - C_5 -alkylene group, a phenyl group, or a phenylene group, and wherein the cyclic C_3 - C_5 -alkyl group, the cyclic C_3 - C_5 -alkylene group, the phenyl group, or the phenylene group is optionally further substituted by 0, 1, 2, or 3 methyl groups.

20. (New) The $NHR_1R_2R_3^+$ salt of esomeprazole according to claim 18, wherein R_1 is a linear, branched, or cyclic C_4 -alkyl group, wherein the linear or branched C_4 -alkyl group is optionally substituted or interrupted with a cyclic C_3 -alkyl group or a cyclic C_3 -alkylene group, and wherein the cyclic C_3 -alkyl group or the cyclic C_3 -alkylene group is further substituted by 0, 1, 2, or 3 methyl groups.

21. (New) The $NHR_1R_2R_3^+$ salt of esomeprazole according to claim 18, wherein the salt has a pK_a value equal to or greater than about 10.

22. (New) The $NHR_1R_2R_3^+$ salt of esomeprazole according to claim 18, wherein the salt has a pK_a value equal to or greater than about 10.5.

23. (New) The $NHR_1R_2R_3^+$ salt of esomeprazole according to claim 18, wherein the salt is the *tert*-butylammonium salt of esomeprazole.

24. (New) The $NHR_1R_2R_3^+$ salt of esomeprazole according to claim 18, wherein the salt is crystalline.

25. (New) A process for preparation of an $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt of esomeprazole according to any one of claims 18-24, which comprises the steps of:

- a) dissolving esomeprazole in an organic solvent;
- b) adding an $\text{NR}_1\text{R}_2\text{R}_3$ compound and precipitating the desired salt; and
- c) isolating and drying the obtained salt of esomeprazole.

26. (New) The process according to claim 25, wherein the organic solvent is acetonitrile or *tert*-butyl methyl ether.

27. (New) A pharmaceutical composition comprising the $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt of esomeprazole according to any one of claims 18-24 as active ingredient in association with pharmaceutically acceptable excipients and optionally one or more additional therapeutic ingredients.

28. (New) A method for the treatment of a gastric acid related condition comprising administering to a patient suffering from the condition a therapeutically effective amount of the $\text{NHR}_1\text{R}_2\text{R}_3^+$ salt according to any one of claims 18-24.